

What Is Claimed Is:

1       1. A method for transforming video data comprising an  
2       interest region by wavelet transform signal processing,  
3       comprising the following steps:

4               transforming the video data to high frequency image data and  
5       low frequency image data;

6               getting first image data recording first information  
7       responding to the interest region of the video data and second  
8       image data recording second information responding to the  
9       interest region of the video data from the high frequency image  
10      data;

11               combining the first image data and the low frequency image  
12      data to form interest region data;

13               combining the interest region data and the second image data  
14      by bit plane coding to generate display data; and

15               displaying the display data with a display device.

1       2. The method as claimed in claim 1, wherein the high  
2       frequency image data and the low frequency image data have  
3       predetermined frequency bands.

1       3. The method as claimed in claim 2, further comprising the  
2       step of compressing the display data.

1       4. The method as claimed in claim 3, wherein the compression  
2       form of the display data is JPEG2000.